



## Gulf of Mexico Harmful Algal Bloom Bulletin

13 May 2005

National Ocean Service

National Environmental Satellite, Data, and Information Service

Last bulletin: May 12, 2005

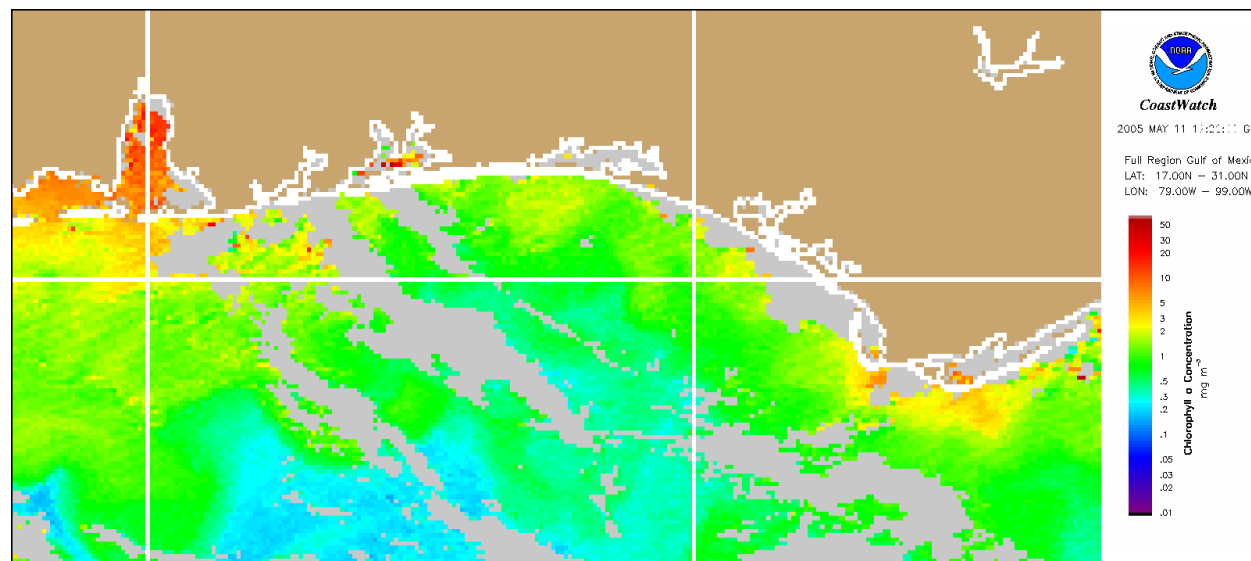
This bulletin is being issued as a special report for the Florida Panhandle.

**Analysis:** Fish kills and two dolphin mortalities were reported May 11 in St. Joe's Bay. Sampling is planned for early next week. Imagery indicates presence of a bloom in early May. A *Karenia brevis* bloom has never been documented along the Panhandle in the spring, but cell counts are not available to discount its presence. There have been relatively high chlorophyll levels south of St. George, miscellaneous spring blooms and river flows to the east, which are common for this area.

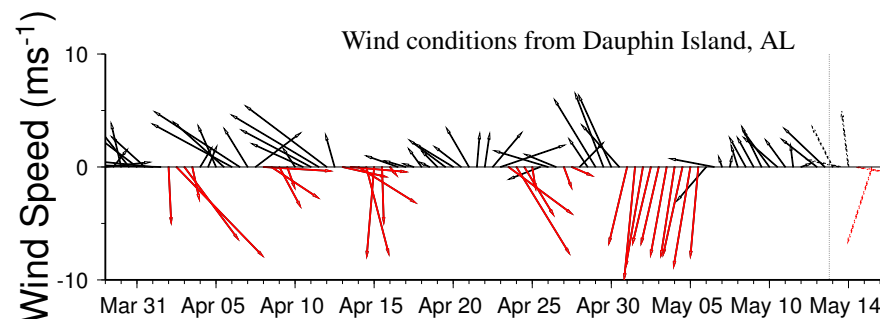
Several recent dolphin mortalities have also been reported at the mouth of Mobile Bay. Cause of fatalities is being investigated.

Additional bulletins will be issued as more information becomes available.

-Fisher and Stolz



Chlorophyll concentration from satellite with possible HAB areas shown by red polygon(s).

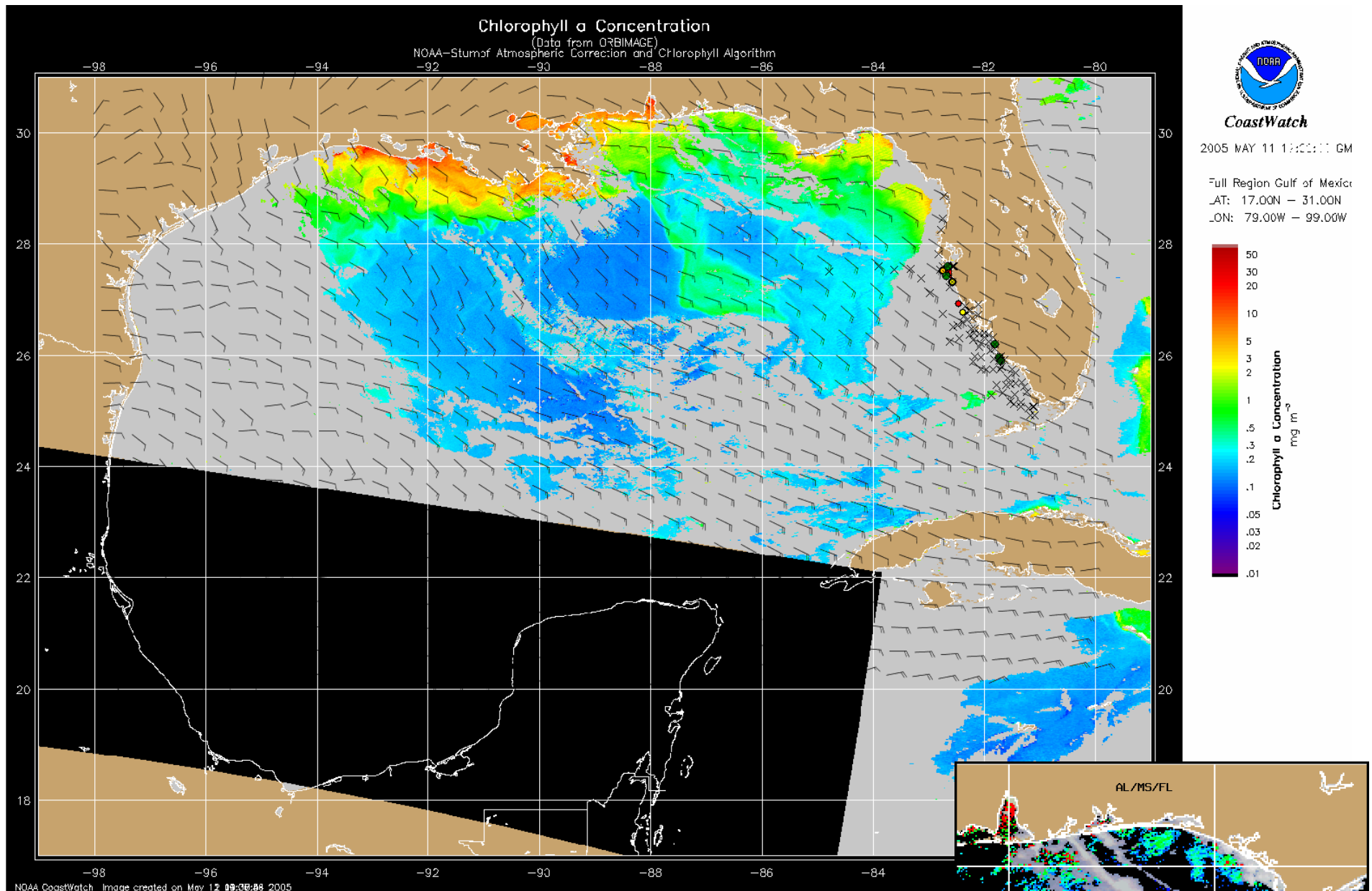


Wind speed and direction are averaged over 12 hours from measurements made on buoys. Length of line indicates speed; angle indicates direction. Red indicates that the wind direction favors upwelling near the coast. Values to the left of the dotted vertical line are measured values; values to the right are forecasts.

Southeast winds this afternoon, shifting to the south tonight through Saturday night. Winds light and variable Sunday, with Northerly winds Monday and Tuesday.

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Chlorophyll concentration from satellite and forecast winds for May 14, 2005 12Z with cell concentration sampling data from May 2, 2005 shown as red squares (high), red triangles (medium), red diamonds (low b), red circles (low a), orange circles (very low b), yellow circles (very low a), green circles (present), and black "X" (not present).

Blooms shown in red (see p. 1 analysis and image for interpretation)